

SEQUENCE LISTING

<110> Johnson, Leslie S.
Li, Hua
Tuailon, Nadine

<120> SOLUBLE FC R FUSION PROTEINS AND METHODS OF USE THEREOF

<130> 11183-005-999

<140> TBA

<141>

<150> 60/439,709

<151> 2003-01-13

<160> 42

<170> PatentIn version 3.0

<210> 1

<211> 420

<212> PRT

<213> Homo sapiens

<220>

<223> sFcRIIIa-G2

<400> 1

Met	Arg	Thr	Glu	Asp	Leu	Pro	Lys	Ala	Val	Val	Phe	Leu	Glu	Pro	Gln
1				5					10					15	

Trp	Tyr	Arg	Val	Leu	Glu	Lys	Asp	Ser	Val	Thr	Leu	Lys	Cys	Gln	Gly
			20					25					30		

Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn	Glu	Ser
		35					40					45			

Leu	Ile	Ser	Ser	Gln	Ala	Ser	Ser	Tyr	Phe	Ile	Asp	Ala	Ala	Thr	Val
	50					55					60				

Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr	Leu	Ser
65					70					75					80

Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu	Gln	Ala
			85						90					95	

Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg	Cys	His
			100					105						110	

Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr Tyr Leu Gln Asn Gly
 115 120 125
 Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp Phe Tyr Ile Pro Lys
 130 135 140
 Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Val Gly
 145 150 155 160
 Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile Thr Ile Thr Gln Gly
 165 170 175
 Leu Ala Val Ser Thr Ile Ser Ser Phe Phe Pro Pro Gly Tyr Gln Val
 180 185 190
 Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys Pro Ala Pro Pro Val
 195 200 205
 Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
 210 215 220
 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
 225 230 235 240
 His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Met Glu
 245 250 255
 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr
 260 265 270
 Phe Arg Val Val Ser Val Leu Thr Val Val His Gln Asp Trp Leu Asn
 275 280 285
 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ala Pro
 290 295 300
 Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln
 305 310 315 320
 Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val
 325 330 335
 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
 340 345 350
 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
 355 360 365
 Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
 370 375 380
 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
 385 390 395 400
 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
 405 410 415
 Ser Pro Gly Lys
 420

<210> 2

<211> 409

<212> PRT

<213> homo sapiens

<220>

<223> sFcRIIb-G2

<400> 2

Thr	Pro	Ala	Ala	Pro	Pro	Lys	Ala	Val	Leu	Lys	Leu	Glu	Pro	Gln	Trp	
1				5					10					15		
Ile	Asn	Val	Leu	Gln	Glu	Asp	Ser	Val	Thr	Leu	Thr	Cys	Arg	Gly	Thr	
			20					25					30			
His	Ser	Pro	Glu	Ser	Asp	Ser	Ile	Gln	Trp	Phe	His	Asn	Gly	Asn	Leu	
		35					40					45				
Ile	Pro	Thr	His	Thr	Gln	Pro	Ser	Tyr	Arg	Phe	Lys	Ala	Asn	Asn	Asn	
	50					55					60					
Asp	Ser	Gly	Glu	Tyr	Thr	Cys	Gln	Thr	Gly	Gln	Thr	Ser	Leu	Ser	Asp	
65					70					75					80	
Pro	Val	His	Leu	Thr	Val	Leu	Ser	Glu	Trp	Leu	Val	Leu	Gln	Thr	Pro	
			85						90					95		
His	Leu	Glu	Phe	Gln	Glu	Gly	Glu	Thr	Ile	Val	Leu	Arg	Cys	His	Ser	
			100					105					110			
Trp	Lys	Asp	Lys	Pro	Leu	Val	Lys	Val	Thr	Phe	Phe	Gln	Asn	Gly	Lys	
		115					120						125			
Ser	Lys	Lys	Phe	Ser	Arg	Ser	Asp	Pro	Asn	Phe	Ser	Ile	Pro	Gln	Ala	
	130					135					140					
Asn	His	Ser	His	Ser	Gly	Asp	Tyr	His	Cys	Thr	Gly	Asn	Ile	Gly	Tyr	
145					150					155					160	
Thr	Leu	Phe	Ser	Ser	Lys	Pro	Val	Thr	Ile	Thr	Val	Gln	Ala	Pro	Ser	
				165				170						175		
Ser	Ser	Pro	Met	Glu	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	
			180					185					190			
Pro	Ala	Pro	Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	
		195					200					205				
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	
	210					215					220					
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	
225					230					235					240	
Val	Asp	Gly	Met	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	
			245						250					255		

Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His
 260 265 270
 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 275 280 285
 Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln
 290 295 300
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 305 310 315 320
 Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
 325 330 335
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 340 345 350
 Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu
 355 360 365
 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 370 375 380
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 385 390 395 400
 Lys Ser Leu Ser Leu Ser Pro Gly Lys
 405

<210> 3

<211> 409

<212> PRT

<213> Homo sapiens

<220> :

<223> sFcRIIa(131R)-G2

<400> 3

Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val
 1 5 10 15
 Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Gln Gly Ala Arg Ser Pro
 20 25 30
 Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
 35 40 45
 His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
 50 55 60
 Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
 65 70 75 80

Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
 85 90 95
 Phe Gln Glu Gly Glu Thr Ile Met Leu Arg Cys His Ser Trp Lys Asp
 100 105 110
 Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Gln Lys
 115 120 125
 Phe Ser Arg Leu Asp Pro Thr Phe Ser Ile Pro Gln Ala Asn His Ser
 130 135 140
 His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe
 145 150 155 160
 Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro Ser Met Gly Ser
 165 170 175
 Ser Ser Pro Met Glu Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys
 180 185 190
 Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
 195 200 205
 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
 210 215 220
 Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr
 225 230 235 240
 Val Asp Gly Met Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
 245 250 255
 Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val His
 260 265 270
 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
 275 280 285
 Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly Gln
 290 295 300
 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu Met
 305 310 315 320
 Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
 325 330 335
 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
 340 345 350
 Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe Leu
 355 360 365
 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
 370 375 380
 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
 385 390^c 395 400
 Lys Ser Leu Ser Leu Ser Pro Gly Lys

405

<210> 4

<211> 409

<212> PRT

<213> homo sapiens

<220>

<223> sFcRIIa(131H) -G2

<400> 4

Ala	Pro	Pro	Lys	Ala	Val	Leu	Lys	Leu	Glu	Pro	Pro	Trp	Ile	Asn	Val	1	5	10	15
Leu	Gln	Glu	Asp	Ser	Val	Thr	Leu	Thr	Cys	Gln	Gly	Ala	Arg	Ser	Pro	20	25	30	
Glu	Ser	Asp	Ser	Ile	Gln	Trp	Phe	His	Asn	Gly	Asn	Leu	Ile	Pro	Thr	35	40	45	
His	Thr	Gln	Pro	Ser	Tyr	Arg	Phe	Lys	Ala	Asn	Asn	Asn	Asp	Ser	Gly	50	55	60	
Glu	Tyr	Thr	Cys	Gln	Thr	Gly	Gln	Thr	Ser	Leu	Ser	Asp	Pro	Val	His	65	70	75	80
Leu	Thr	Val	Leu	Ser	Glu	Trp	Leu	Val	Leu	Gln	Thr	Pro	His	Leu	Glu	85	90	95	
Phe	Gln	Glu	Gly	Glu	Thr	Ile	Met	Leu	Arg	Cys	His	Ser	Trp	Lys	Asp	100	105	110	
Lys	Pro	Leu	Val	Lys	Val	Thr	Phe	Phe	Gln	Asn	Gly	Lys	Ser	Gln	Lys	115	120	125	
Phe	Ser	His	Leu	Asp	Pro	Thr	Phe	Ser	Ile	Pro	Gln	Ala	Asn	His	Ser	130	135	140	
His	Ser	Gly	Asp	Tyr	His	Cys	Thr	Gly	Asn	Ile	Gly	Tyr	Thr	Leu	Phe	145	150	155	160
Ser	Ser	Lys	Pro	Val	Thr	Ile	Thr	Val	Gln	Val	Pro	Ser	Met	Gly	Ser	165	170	175	
Ser	Ser	Pro	Met	Glu	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	180	185	190	
Pro	Ala	Pro	Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	195	200	205	
Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	210	215	220	
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	225	230	235	240

Val	Asp	Gly	Met	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu			
				245					250					255				
Gln	Phe	Asn	Ser	Thr	Phe	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Val	His			
			260					265					270					
Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys			
		275					280					285						
Gly	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln			
	290					295					300							
Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met			
305					310					315					320			
Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro			
			325					330						335				
Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn			
		340					345					350						
Tyr	Lys	Thr	Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu			
		355				360						365						
Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val			
	370					375					380							
Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln			
385					390					395					400			
Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys										
				405														

<210> 5

<211> 1382

<212> DNA

<213> homo sapiens

<220>

<223> sFCRIIB insert with signal sequence

<400> 5

gctagccacc atgggaatcc tgtcattctt acctgtcctt gccactgaga gtgactgggc	60
tgactgcaag tccccccagc cttgggggtca tatgcttctg tggacagctg tgctattcct	120
ggctcctggt gctggggacac ctgcagctcc cccaaaggct gtgctgaaac tcgagcccca	180
gtggatcaac gtgctccagg aggactctgt gactctgaca tgccggggga ctacagccc	240
tgagagcgac tccattcagt gggtccacaa tgggaatctc attcccaccc acacgcagcc	300
cagctacagg ttcaaggcca acaacaatga cagcggggag tacacgtgcc agactggcca	360

gaccagcctc agcgaccctg tgcattctgac tgtgctttct gagtggtctg tgctccagac	420
ccctcacctg gagttccagg agggagaaac catcgtgctg aggtgccaca gctggaagga	480
caagcctctg gtcaagggtca cattcttcca gaatggaaaa tccaagaaat tttcccgttc	540
ggatcccaac ttctccatcc cacaagcaaa ccacagtcac agtggtgatt accactgcac	600
aggaaacata ggctacacgc tgttctcatc caagcctgtg accatcactg tccaagctcc	660
cagctcttca cccatggagg agcgcaaagt ttgtgtcgag tgcccaccgt gccagcacc	720
acctgtggca ggaccgtcag tcttcctttt cccccaaaa cccaaggaca ccctcatgat	780
ctcccggacc cctgagggtca cgtgctggtt ggtggacgtg agccacgaag accccgaggt	840
ccagttcaac tgggtacgtg acggcatgga ggtgcataat gccaaagaca agccacggga	900
ggagcagttc aacagcacgt tccgtgtggt cagcgtcctc accgtcgtgc accaggactg	960
gctgaacggc aaggagtaca agtgcaaggt ctccaacaaa ggctcccag ccccatcga	1020
gaaaaccatc tccaaaacca aagggcagcc ccgagaacca caggtgtaca ccctgcccc	1080
atcccgggag gagatgacca agaaccaggt cagcctgacc tgcttgggtca aaggcttcta	1140
ccccagcgac atcgccgtgg agtgaggag caatgggcag ccggagaaca actacaagac	1200
cacacctccc atgctggact ccgacggctc cttcttctc tacagcaagc tcaccgtgga	1260
caagagcagg tggcagcagg ggaacgtctt ctcatgctct gtgatgcatg aggctctgca	1320
caaccactac acacagaaga gcctctcctt gtctccgggt aaatgagtgc ggccgcgaat	1380
tc	1382

<210> 6

<211> 1418

<212> DNA

<213> homo sapiens

<220>

<223> sFcRIIIA insert

<400> 6

atgggatgga gctgtatcat cctcttcttg gtagcaacag ctacaggtaa ggggctcaca	60
gtagcaggct tgaggctctg acatatatat gggtgacaat gacatccact ttgcctttct	120
ctccacaggt gtccactcca tgcggactga agatctcccc aaggctgtgg tgttcctgga	180
gcctcaatgg tacaggggtg tcgagaagga cagtgtgact ctgaagtgcc agggagccta	240
ctcccctgag gacaattcca cacagtgggt tcacaatgag agcctcatct caagccaggc	300

ctcgagctac	ttcattgacg	ctgccacagt	cgacgacagt	ggagagtaca	ggtgccagac	360
aaacctctcc	accctcagtg	acccggtgca	gctagaagtc	catatcggct	ggctgttgct	420
ccaggccccct	cggtgggtgt	tcaaggagga	agaccctatt	cacctgaggt	gtcacagctg	480
gaagaacact	gctctgcata	aggtcacata	tttacagaat	ggcaaaggca	ggaagtattt	540
tcatcataat	tctgacttct	acattccaaa	agccacactc	aaagacagcg	gtcctactt	600
ctgcaggggg	cttgttgga	gtaaaaatgt	gtcttcagag	actgtgaaca	tcaccatcac	660
tcaaggtttg	gcagtgtaa	ccatctcatc	attctttcca	cctgggtacc	aagtcgagcg	720
caaagtgtgt	gtcgagtgcc	caccgtgccc	agcaccacct	gtggcaggac	cgtcagtctt	780
cctcttcccc	ccaaaaccca	aggacacct	catgatctcc	cggaccctg	aggtcacgtg	840
cgtggtggtg	gacgtgagcc	acgaagaccc	cgagggtccag	ttcaactgg	acgtggacgg	900
catggaggtg	cataatgcca	agacaaagcc	acgggaggag	cagttcaaca	gcacgttccg	960
tgtggtcagc	gtcctcaccg	tcgtgcacca	ggactggctg	aacggcaagg	agtacaagtg	1020
caaggtctcc	aacaaaggcc	tcccagcccc	catcgagaaa	accatctcca	aaaccaaagg	1080
gcagccccga	gaaccacagg	tgtacacct	gccccatcc	cgggaggaga	tgaccaagaa	1140
ccaggtcagc	ctgacctgcc	tggtaaagg	cttctacccc	agcgacatcg	ccgtggagtg	1200
ggagagcaat	gggcagccgg	agaacaacta	caagaccaca	cctcccatgc	tggactccga	1260
cggctccttc	ttcctctaca	gcaagctcac	cgtggacaag	agcagggtggc	agcaggggaa	1320
cgtcttctca	tgtccgtga	tgcattgaggc	tctgcacaac	cactacacac	agaagagcct	1380
ctccctgtct	ccgggtaaat	gagtgcggcc	gcgaattc			1418

<210> 7

<211> 1391

<212> DNA

<213> homo sapiens

<220>

<223> sFcRIIA-131H

<400> 7

gctagccacc	atgggaatcc	tgtcattctt	acctgtcctt	gccactgaga	gtgactgggc	60
tgactgcaag	tccccccagc	cttgggggtca	tatgcttctg	tggacagctg	tgtatttctt	120
ggctcctgtt	gctgggacac	ctgcagctcc	cccaaaggct	gtgctgaaac	ttgagcccc	180
gtggatcaac	gtgctccagg	aggactctgt	gactctgaca	tgccaggggg	ctcgcagccc	240

tgagagcgac	tccattcagt	ggttccacaa	tgggaatctc	attcccaccc	acacgcagcc	300
cagctacagg	ttcaaggcca	acaacaatga	cagcggggag	tacacgtgcc	agactggcca	360
gaccagcctc	agcgaccctg	tgcattctgac	tgtgcttttc	gaatggctgg	tgctccagac	420
ccctcacctg	gagttccagg	agggagaaaac	catcatgctg	aggtgccaca	gctggaagga	480
caagcctctg	gtcaagggtca	cattcttcca	gaatggaaaa	tcccagaaat	tctcccattt	540
ggatcccacc	ttctccatcc	cacaagcaaa	ccacagtcac	agtgggtgatt	accactgcac	600
aggaaacata	ggctacacgc	tgttctcatc	caagcctgtg	accatcactg	tccaagtgcc	660
cagcatgggc	agctcttcac	ccatggagga	gcgcaaagt	tgtgtcgagt	gccaccgtg	720
cccagcacca	cctgtggcag	gaccgtcagt	cttcctcttc	ccccaaaac	ccaaggacac	780
cctcatgac	tcccggaccc	ctgaggtcac	gtgctgggtg	gtggacgtga	gccacgaaga	840
ccccgaggtc	cagttcaact	ggtacgtgga	cggcatggag	gtgcataatg	ccaagacaaa	900
gccacgggag	gagcagttca	acagcacgtt	ccgtgtggtc	agcgtcctca	ccgtcgtgca	960
ccaggactgg	ctgaacggca	aggagtacaa	gtgcaaggtc	tccaacaaag	gcctcccagc	1020
ccccatcgag	aaaaccatct	ccaaaaccaa	agggcagccc	cgagaaccac	aggtgtacac	1080
cctgccccca	tcccgggagg	agatgaccaa	gaaccaggtc	agcctgacct	gcctgggtcaa	1140
aggcttctac	cccagcgaca	tcgccgtgga	gtgggagagc	aatgggcagc	cggagaacaa	1200
ctacaagacc	acacctccca	tgtctggactc	cgacggctcc	ttcttctctt	acagcaagct	1260
caccgtggac	aagagcaggt	ggcagcaggg	gaacgtcttc	tcatgctctg	tgatgcatga	1320
ggctctgcac	aaccactaca	cacagaagag	cctctccctg	tctccgggta	aatgagtgcg	1380
gccgcgaatt	c					1391

<210> 8

<211> 1391

<212> DNA

<213> homo sapiens

<220>

<223> sFcRIIA-131R

<400> 8

gctagccacc	atgggaatcc	tgtcattctt	acctgtcctt	gccactgaga	gtgactgggc	60
tgactgcaag	tccccccagc	cttgggggtca	tatgcttctg	tggacagctg	tgctattcct	120
ggctcctgtt	gctgggacac	ctgcagctcc	cccaaaggct	gtgctgaaac	ttgagccccc	180

gtggatcaac	gtgctccagg	aggactctgt	gactctgaca	tgccaggggg	ctcgcagccc	240
tgagagcgac	tccattcagt	ggttcacaaa	tgggaatctc	attcccaccc	acacgcagcc	300
cagctacagg	ttcaaggcca	acaacaatga	cagcggggag	tacacgtgcc	agactggcca	360
gaccagcctc	agcgaccctg	tgcactctgac	tgtgctttcc	gaatggctgg	tgctccagac	420
ccctcacctg	gagttccagg	agggagaaac	catcatgctg	aggtgccaca	gctggaagga	480
caagcctctg	gtcaagggtca	cattcttcca	gaatggaaaa	tcccagaaat	tctcccgttt	540
ggatcccacc	ttctccatcc	cacaagcaaa	ccacagtcac	agtgggtgatt	accactgcac	600
aggaaacata	ggctacacgc	tgttctcatc	caagcctgtg	accatcactg	tccaagtgcc	660
cagcatgggc	agctcttcac	ccatggagga	gcgcaaagt	tgtgtcgagt	gccaccgtg	720
cccagcacca	cctgtggcag	gaccgtcagt	cttcctcttc	ccccaaaaac	ccaaggacac	780
cctcatgata	tcccggaccc	ctgaggtcac	gtgctgtggtg	gtggacgtga	gccacgaaga	840
ccccgaggtc	cagttcaact	ggtacgtgga	cggcatggag	gtgcataatg	ccaagacaaa	900
gccacgggag	gagcagttca	acagcacgtt	ccgtgtggtc	agcgtcctca	ccgtcgtgca	960
ccaggactgg	ctgaacggca	aggagtacaa	gtgcaaggtc	tccaacaaag	gcctcccagc	1020
ccccatcgag	aaaaccatct	ccaaaaccaa	agggcagccc	cgagaaccac	aggtgtacac	1080
cctgccccca	tcccgggagg	agatgaccaa	gaaccaggtc	agcctgacct	gcctggtcaa	1140
aggcttctac	cccagcgaca	tcgccgtgga	gtgggagagc	aatgggcagc	cggagaacaa	1200
ctacaagacc	acacctocca	tgctggactc	cgacggctcc	ttcttctctt	acagcaagct	1260
caccgtggac	aagagcaggt	ggcagcaggg	gaacgtcttc	tcattgctctg	tgatgcatga	1320
ggctctgcac	aaccactaca	cacagaagag	cctctccctg	tctccgggta	aatgagtgcg	1380
gccgcgaatt	c					1391

<210> 9

<211> 317

<212> PRT

<213> homo sapiens

<220>

<223> human FcRIIa

<400> 9

Met	Ala	Met	Glu	Thr	Gln	Met	Ser	Gln	Asn	Val	Cys	Pro	Arg	Asn	Leu
1				5				10						15	

Trp Leu Leu Gln Pro Leu Thr Val Leu Leu Leu Leu Ala Ser Ala Asp
 20 25 30
 Ser Gln Ala Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro
 35 40 45
 Trp Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Gln Gly
 50 55 60
 Ala Arg Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn
 65 70 75 80
 Leu Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn
 85 90 95
 Asn Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser
 100 105 110
 Asp Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr
 115 120 125
 Pro His Leu Glu Phe Gln Glu Gly Glu Thr Ile Met Leu Arg Cys His
 130 135 140
 Ser Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly
 145 150 155 160
 Lys Ser Gln Lys Phe Ser Arg Leu Asp Pro Thr Phe Ser Ile Pro Gln
 165 170 175
 Ala Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly
 180 185 190
 Tyr Thr Leu Phe Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro
 195 200 205
 Ser Met Gly Ser Ser Ser Pro Met Gly Ile Ile Val Ala Val Val Ile
 210 215 220
 Ala Thr Ala Val Ala Ala Ile Val Ala Ala Val Val Ala Leu Ile Tyr
 225 230 235 240
 Cys Arg Lys Lys Arg Ile Ser Ala Asn Ser Thr Asp Pro Val Lys Ala
 245 250 255
 Ala Gln Phe Glu Pro Pro Gly Arg Gln Met Ile Ala Ile Arg Lys Arg
 260 265 270
 Gln Leu Glu Glu Thr Asn Asn Asp Tyr Glu Thr Ala Asp Gly Gly Tyr
 275 280 285
 Met Thr Leu Asn Pro Arg Ala Pro Thr Asp Asp Asp Lys Asn Ile Tyr
 290 295 300
 Leu Thr Leu Pro Pro Asn Asp His Val Asn Ser Asn Asn
 305 310 315

<210> 10

<211> 42
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Primer: SJ45f

 <400> 10
 ctctccacag gtgtccactc catgcggact gaagatctcc cc 42

 <210> 11
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer: SJ48r

 <400> 11
 gcgctcgact tggtaccag gtgg 24

 <210> 12
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer: H009

 <400> 12
 cgagctagct gagatcacag ttctctctac 30

 <210> 13
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer: SJ27r

<400> 13
ggagtggaca cctgtggaga g 21

<210> 14

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> primer: SJ47f

<400> 14
cctgggtacc aagtcgagcg caaatgttgt gtcgagtgcc c 41

<210> 15

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> primer: SJ20r

<400> 15
ggcgaattcg cggccgcact catttaccgc gagacagg 38

<210> 16

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> primer: SJ84f

<400> 16
ggcggctagc caccatggga atcctgtcat tcttacc 37

<210> 17

<211> 35

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> primer: SJ82r
 <400> 17
 catttgcgct ccccatggg tgaagagctg ggagc 35

<210> 18
 <211> 34
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> primer: SJ83f
 <400> 18
 ccatggggga gcgcaaattgt tgtgtcgagt gccc 34

<210> 19
 <211> 38
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> primer: SJ20r
 <400> 19
 ggccaattcg cggccgcact catttaccgc gagacagg 38

<210> 20
 <211> 83
 <212> PRT
 <213> homo sapiens
 <220>
 <223> Membrane proximal domain of RIIIa

<400> 20

Val His Ile Gly Trp Leu Leu Leu Gln Ala Pro Arg Trp Val Phe Lys
1 5 10 15
Glu Glu Asp Pro Ile His Leu Arg Cys His Ser Trp Lys Asn Thr Ala
20 25 30
Leu His Lys Val Thr Tyr Leu Gln Asn Gly Lys Gly Arg Lys Tyr Phe
35 40 45
His His Asn Ser Asp Phe Tyr Ile Pro Lys Ala Thr Leu Lys Asp Ser
50 55 60
Gly Ser Tyr Phe Cys Arg Gly Leu Val Gly Ser Lys Asn Val Ser Ser
65 70 75 80
Glu Thr Val

<210> 21

<211> 78

<212> PRT

<213> homo sapiens

<220>

<223> Membrane proximal domain of RIIB

<400> 21

Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe Gln
1 5 10 15
Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys Pro
20 25 30
Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys Phe Ser
35 40 45
Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser
50 55 60
Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe
65 70 75

<210> 22

<211> 78

<212> PRT

<213> homo sapiens

<220>

<223> Membrane proximal domain of RIIa(131R)

<400> 22

Val	Leu	Ser	Glu	Trp	Leu	Val	Leu	Gln	Thr	Pro	His	Leu	Glu	Phe	Gln
1				5					10					15	
Glu	Gly	Glu	Thr	Ile	Met	Leu	Arg	Cys	His	Ser	Trp	Lys	Asp	Lys	Pro
			20					25					30		
Leu	Val	Lys	Val	Thr	Phe	Phe	Gln	Asn	Gly	Lys	Ser	Gln	Lys	Phe	Ser
		35					40					45			
Arg	Leu	Asp	Pro	Thr	Phe	Ser	Ile	Pro	Gln	Ala	Asn	His	Ser	His	Ser
	50					55					60				
Gly	Asp	Tyr	His	Cys	Thr	Gly	Asn	Ile	Gly	Tyr	Thr	Leu	Phe		
65					70				75						

<210> 23

<211> 78

<212> PRT

<213> homo sapiens

<220>

<223> Membrane proximal domain of RIIa(131H)

<400> 23

Val	Leu	Ser	Glu	Trp	Leu	Val	Leu	Gln	Thr	Pro	His	Leu	Glu	Phe	Gln
1				5					10					15	
Glu	Gly	Glu	Thr	Ile	Met	Leu	Arg	Cys	His	Ser	Trp	Lys	Asp	Lys	Pro
			20					25					30		
Leu	Val	Lys	Val	Thr	Phe	Phe	Gln	Asn	Gly	Lys	Ser	Gln	Lys	Phe	Ser
		35					40					45			
His	Leu	Asp	Pro	Thr	Phe	Ser	Ile	Pro	Gln	Ala	Asn	His	Ser	His	Ser
	50					55					60				
Gly	Asp	Tyr	His	Cys	Thr	Gly	Asn	Ile	Gly	Tyr	Thr	Leu	Phe		
65					70				75						

<210> 24

<211> 887

<212> DNA

<213> homo sapiens

<220>

<223> human FcRIIIa

<400> 24

```
tcttttggtga cttgtccact ccagtgtggc atcatgtggc agctgctcct cccaactgct      60
ctgctacttc tagtttcagc tggcatgcgg actgaagatc tcccaaaggc tgtggtgttc      120
ctggagcctc aatggtacag ggtgctcgag aaggacagtg tgactctgaa gtgccaggga      180
gcctactccc ctgaggacaa ttccacacag tggtttcaca atgagagcct catctcaagc      240
caggcctcga gctacttcat tgacgctgcc acagtcgacg acagtggaga gtacaggtgc      300
cagacaaacc tctccaccct cagtgaccgg gtgcagctag aagtccatat cggctggctg      360
ttgctccagg cccctcggtg ggtgttcaag gaggaagacc ctattcacct gaggtgtcac      420
agctggaaga aactgctct gcataaggct acatatttac agaatggcaa aggcaggaag      480
tattttcatc ataattctga cttctacatt ccaaagcca cactcaaaga cagcggctcc      540
tacttctgca gggggctttt tgggagtaaa aatgtgtctt cagagactgt gaacatcacc      600
atcactcaag gtttggcagt gtcaaccatc tcatcattct ttccacctgg gtaccaagtc      660
tctttctgct tggatgatgg actccttttt gcagtggaca caggactata tttctctgtg      720

aagacaaaca ttcgaagctc aacaagagac tggaaggacc ataaatttaa atggagaaag      780
gacctcaag acaaatgacc cccatcccat gggggtaata agagcagtag cagcagcatc      840
tctgaacatt tctctggatt tgcaacccca tcctctcag gcctctc      887
```

<210> 25

<211> 254

<212> PRT

<213> homo sapiens

<220>

<223> human FcRIIIa

<400> 25

```
Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu Leu Val Ser Ala
1           5           10           15

Gly Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro
          20           25           30

Gln Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr Leu Lys Cys Gln
          35           40           45

Gly Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp Phe His Asn Glu
          50           55           60
```

Ser Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile Asp Ala Ala Thr
 65 70 75 80
 Val Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn Leu Ser Thr Leu
 85 90 95
 Ser Asp Pro Val Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln
 100 105 110
 Ala Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile His Leu Arg Cys
 115 120 125
 His Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr Tyr Leu Gln Asn
 130 135 140
 Gly Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp Phe Tyr Ile Pro
 145 150 155 160
 Lys Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Phe
 165 170 175
 Gly Ser Lys Asn Val Ser Ser Glu Thr Val Asn Ile Thr Ile Thr Gln
 180 185 190
 Gly Leu Ala Val Ser Thr Ile Ser Ser Phe Phe Pro Pro Gly Tyr Gln
 195 200 205
 Val Ser Phe Cys Leu Val Met Val Leu Leu Phe Ala Val Asp Thr Gly
 210 215 220
 Leu Tyr Phe Ser Val Lys Thr Asn Ile Arg Ser Ser Thr Arg Asp Trp
 225 230 235 240
 Lys Asp His Lys Phe Lys Trp Arg Lys Asp Pro Gln Asp Lys
 245 250

<210> 26

<211> 1393

<212> DNA

<213> homo sapiens

<220>

<223> human FcRIIB2

<400> 26

gactgctgtg ctctgggagc cagctcgctc cagggagtga tgggaatcct gtcattctta 60
 cctgtccttg ccaactgagag tgactgggct gactgcaagt cccccagcc ttgggggtcat 120
 atgcttctgt ggacagctgt gctattcctg gctcctgttg ctgggacacc tgcagctccc 180
 ccaaaggctg tgctgaaact cgagccccag tggatcaacg tgctccagga ggactctgtg 240
 actctgacat gccgggggac tcacagccct gagagcgact ccattcagtg gttccacaat 300

```

gggaatctca ttcccaccca cacgcagccc agctacaggt tcaaggccaa caacaatgac 360
agcggggagt acacgtgcca gactggccag accagcctca gcgaccctgt gcatctgact 420
gtgctttctg agtggctggg gctccagacc cctcacctgg agttccagga gggagaaacc 480
atcgtgctga ggtgccacag ctggaaggac aagcctctgg tcaaggtcac attcttccag 540
aatggaaaat ccaagaaatt ttcccgttcg gatcccaact tctccatccc acaagcaaac 600
cacagtcaca gtggtgatta cactgcaca ggaaacatag gctacacgct gttctcatcc 660
aagcctgtga ccatcactgt ccaagctccc agctcttcac cgatggggat cattgtggct 720
gtggtcactg ggattgctgt agcggccatt gttgctgctg tagtggcctt gatctactgc 780
aggaaaaagc ggatttcagc caatcccact aatcctgatg aggctgacaa agttggggct 840
gagaacacaa tcacctattc acttctcatg caccgggatg ctctggaaga gcctgatgac 900
cagaaccgta tttagtctcc attgtcttgc attgggattt gagaagaaaa tcagagaggg 960
aagatctggg atttccctggc ctaaattccc cttggaggac agggagatgc tcgagttcca 1020
aaagagaagg tttcttccag agtcatctac ctgagtcctg aagctccctg tcctgaaagc 1080
cacagacaat atgggtcccaa ataaccgact gcacctgctg tcttcagctc ttcttgacat 1140
caaggctctt ccgttccaca tccacacagc caatccaatt aatcaaacca ctgttattaa 1200
cagataatag caacttggga aatgcttatg ttacaggtta ccgttgagaa caatcatcta 1260
aatctatatg atttcagaaa tgtaaaaata gactaacctc taccagcaca ttaaaagtga 1320
ttgtttctgg gtgatttatt gatgattttt attttcttta tttttctata aagatcatat 1380
attactttta ata 1393

```

<210> 27

<211> 291

<212> PRT

<213> homo sapiens

<220>

<223> human FCRIIB

<400> 27

```

Met Gly Ile Leu Ser Phe Leu Pro Val Leu Ala Thr Glu Ser Asp Trp
1           5           10          15
Ala Asp Cys Lys Ser Pro Gln Pro Trp Gly His Met Leu Leu Trp Thr
          20          25          30

```

Ala Val Leu Phe Leu Ala Pro Val Ala Gly Thr Pro Ala Ala Pro Pro
 35 40 45
 Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val Leu Gln Glu
 50 55 60
 Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro Glu Ser Asp
 65 70 75 80
 Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr His Thr Gln
 85 90 95
 Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly Glu Tyr Thr
 100 105 110
 Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His Leu Thr Val
 115 120 125
 Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu Phe Gln Glu
 130 135 140
 Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp Lys Pro Leu
 145 150 155 160
 Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys Phe Ser Arg
 165 170 175
 Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser His Ser Gly
 180 185 190
 Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe Ser Ser Lys
 195 200 205
 Pro Val Thr Ile Thr Val Gln Ala Pro Ser Ser Ser Pro Met Gly Ile
 210 215 220
 Ile Val Ala Val Val Thr Gly Ile Ala Val Ala Ala Ile Val Ala Ala
 225 230 235 240
 Val Val Ala Leu Ile Tyr Cys Arg Lys Lys Arg Ile Ser Ala Asn Pro
 245 250 255
 Thr Asn Pro Asp Glu Ala Asp Lys Val Gly Ala Glu Asn Thr Ile Thr
 260 265 270
 Tyr Ser Leu Leu Met His Pro Asp Ala Leu Glu Glu Pro Asp Asp Gln
 275 280 285
 Asn Arg Ile
 290

<210> 28

<211> 1303

<212> DNA

<213> homo sapiens

<220>

<223> human FcRIIB1

<400> 28

```
tgactgcaag tccccccagc cttgggggtca tatgcttctg tggacagctg tgctattcct      60
ggctcctggt gctggggacac ctgcagctcc cccaaaggct gtgctgaaac tcgagcccca      120
gtggatcaac gtgctccagg aggactctgt gactctgaca tgccggggga ctcacagccc      180
tgagagcgac tccattcagt ggttccacaa tgggaatctc attcccaccc acacgcagcc      240
cagctacagg ttcaaggcca acaacaatga cagcggggag tacacgtgcc agactggcca      300
gaccagcctc agcgaccctg tgcactctgac tgtgctttct gagtggctgg tgctccagac      360
ccctcacctg gagttccagg agggagaaac catcgtgctg aggtgccaca gctggaagga      420
caagcctctg gtcaagggtca cattcttcca gaatggaaaa tccaagaaat tttcccgttc      480
ggatcccaac ttctccatcc cacaagcaaa ccacagtcac agtggtgatt accactgcac      540
aggaaacata ggctacacgc tgttctcadc caagcctgtg accatcactg tccaagctcc      600
cagctcttca ccgatgggga tcattgtggc tgtggctact gggattgctg tagcggccat      660
tgttgctgct gtagtggcct tgatctactg caggaaaaag cggatttcag ctctcccagg      720
ataccctgag tgcagggaaa tgggagagac cctccctgag aaaccagcca atcccactaa      780
tcctgatgag gctgacaaag ttggggctga gaacacaatc acctattcac ttctcatgca      840
cccggatgct ctggaagagc ctgatgacca gaaccgtatt tagtctccat tgtcttgcat      900
tgggatttga gaagaaaatc agagagggaa gatctgggtat ttcttggcct aaattcccct      960
tggaggacag ggagatgctc gagttccaaa agagaagggt tcttccagag tcatctacct     1020
gagtcctgaa gctccctgtc ctgaaagcca cagacaatat ggtcccaaata aaccgactgc     1080
acctgctgtc ttcagctctt cttgacatca aggctcttcc gttccacatc cacacagcca     1140
atccaattaa tcaaaccact gttattaaca gataatagca acttgggaaa tgcttatggt     1200
acaggttacc gttgagaaca atcatctaaa tctatatgat ttcagaaatg ttaaaataga     1260
ctaacctcta ccagcacatt aaaagtgatt gtttctgggt gat                          1303
```

<210> 29

<211> 1466

<212> DNA

<213> homo sapiens

<220>

<223> human FcRIIB

<400> 29

```
gccctctagg gtagaatcgc caagctttga gagaaggctg tgactgctgt gctctgggcg 60
ccagctcget ccagggagtg atgggaatcc tgtcattctt acctgtcctt gccactgaga 120
gtgactgggc tgactgcaag tccccccagc cttgggggtca tatgcttctg tggacagctg 180
tgctattcct ggcagctccc ccaaaggctg tgctgaaact cgagccccag tggatcaacg 240
tgctccagga ggactctgtg actctgacat gccgggggac tcacagccct gagagcgact 300
ccattcagtg gttccacaat gggaatctca ttcccacca cacgcagccc agctacaggt 360
tcaaggccaa caacaatgac agcggggagt acacgtgcc a gactggccag accagcctca 420
gcgaccctgt gcatctgact gtgctttctg agtggctggt gctccagacc cctcacctgg 480
agttccagga gggagaaacc atcgtgctga ggtgccacag ctggaaggac aagcctctgg 540
tcaaggtcac attcttccag aatggaaaat ccaagaaatt ttcccgttcg gatcccaact 600
tctccatccc acaagcaaac cacagtcaca gtggtgatta ccaactgcaca ggaaacatag 660
gctacacgct gttctcatcc aagcctgtga ccatcactgt ccaagctccc agctcttcac 720
cgatggggat cattgtggct gtggtcactg ggattgctgt agcggccatt gttgctgctg 780
tagtggcctt gatctactgc aggaaaaagc ggatttcagc tctcccagga taccctgagt 840
gcagggaaat gggagagacc ctccctgaga aaccagccaa tcccactaat cctgatgagg 900
ctgacaaagt tggggctgag aacacaatca cctattcact tctcatgcac ccggatgctc 960
tggaagagcc tgatgaccag aaccgtatct agtctccatt gtcttgcatt gggatttgag 1020
aagaaaatca gagagggaag atctggtatt tcctggccta aattcccctt ggaggacagg 1080
gagatgctcg agttccaaaa gagaaggttt cttccagagt catctacctg agtcctgaag 1140
ctccctgtcc tgaaagccac agacaatatg gtcccaaata accgactgca cctgctgtct 1200
tcagctcttc ttgacatcaa ggctcttccg ttccacatcc acacagccaa tccaattaat 1260
caaaccactg ttattaacag ataatagcaa cttgggaaat gcttatgtta caggttaccg 1320
ttgagaacaa tcactctaat ctatatgatt tcagaaatgt taaaatagac taacctctac 1380
cagcacatta aaagtgattg tttctgggtg atttattgat gatTTTTtatt ttctttatTT 1440
ttctataaag atcatatatt actttt 1466
```

<210> 30

<211> 2372

<212> DNA

<213> homo sapiens

<220>

<223> Human FcRIIa

<400> 30

ttctgggatg gctatggaga cccaaatgtc tcagaatgta tgtcccagaa acctgtggct	60
gcttcaacca ttgacagttt tgctgctgct ggcttctgca gacagtcaag ctgcagctcc	120
cccaaaggct gtgctgaaac ttgagcccc gtggatcaac gtgctccagg aggactctgt	180
gactctgaca tgccaggggg ctgcagccc tgagagcgac tccattcagt ggttccacaa	240
tgggaatctc attcccaccc acacgcagcc cagctacagg ttcaaggcca acaacaatga	300
cagcggggag tacacgtgcc agactggcca gaccagcctc agcgaccctg tgcactctgac	360
tgtgctttcc gaatggctgg tgctccagac cctcacctg gagttccagg agggagaaac	420
catcatgctg aggtgccaca gctggaagga caagcctctg gtcaagggtca cattcttcca	480
gaatggaaaa tcccagaaat tctcccgttt ggatcccacc ttctccatcc cacaagcaaa	540
ccacagtcac agtgggtgatt accactgcac aggaaacata ggctacacgc tgttctcatc	600
caagcctgtg accatcactg tccaagtgcc cagcatgggc agctcttcac caatggggat	660
cattgtggct gtggtcattg cgactgctgt agcagccatt gttgctgctg tagtggcctt	720
gatctactgc aggaaaaagc ggatttcagc caattccact gatcctgtga aggctgcccc	780
atttgagcca cctggacgtc aaatgattgc catcagaaag agacaacttg aagaaaccaa	840
caatgactat gaaacagctg acggcggcta catgactctg aaccccaggg cacctactga	900
cgatgataaa aacatctacc tgactcttcc tcccacgac catgtcaaca gtaataacta	960
aagagtaacg ttatgccatg tggtcatact ctgagcttgc tagtggatga caaaaagagg	1020
ggaattgtta aaggaaaatt taaatggaga ctggaaaaat cctgagcaaa caaaaccacc	1080
tggcccttag aaatagcttt aactttgctt aaactacaaa cacaagcaaa acttcacggg	1140
gtcatactac atacaagcat aagcaaaaact taacttggat catttctggt aaatgcttat	1200
gttagaaata agacaacccc agccaatcac aagcagccta ctaacatata attaggtgac	1260
tagggacttt ctaagaagat acctaccccc aaaaaacaat tatgtaattg aaaaccaacc	1320
gattgccttt attttgcttc cacattttcc caataaatac ttgcctgtga cattttgcca	1380
ctggaacact aaacttcatg aattgcgcct cagatttttg ctttaacatc tttttttttt	1440
tttgacagag tctcaatctg ttaccaggc tggagtgcag tggtgctatc ttggctcact	1500
gcaaaccgcg ctcccagggt taagcgattc tcatgcctca gcctcccagt agctgggatt	1560
agaggcatgt gcatcatacc cagctaattt ttgtattttt tatttttttat ttttagtaga	1620

gacaggggttt cgcaatgttg gccaggcgat ctcgaacttc tggcctctag cgatctgccg	1680
cctcggcctc ccaaagtgtt gggatgacca gcatcagccc caatgtccag cctctttaac	1740
atcttctttc ctatgccctc tctgtggatc cctactgttg gtttctgcct tctccatgct	1800
gagaacaaaa tcacctattc actgcttatg cagtcggaag ctccagaaga acaaagagcc	1860
caattaccag aaccacatta agtctccatt gttttgcctt gggatttgag aagagaatta	1920
gagaggtgag gatctgggtat ttcttggtact aaattcccct tggaagacga agggatgctg	1980
cagttccaaa agagaaggac tcttcagag tcactctacct gagtcccaaa gctccctgtc	2040
ctgaaagcca cagacaatat ggtcccaaat gactgactgc accttctgtg cctcagccgt	2100
tcttgacatc aagaatcttc tgttccacat ccacacagcc aatacaatta gtcaaaccac	2160
tgttattaac agatgtagca acatgagaaa cgcttatgtt acagggttaca tgagagcaat	2220
catgtaagtc tatatgactt cagaaatgtt aaaatagact aacctctaac aacaaattaa	2280
aagtgattgt ttcaagggtga tgcaattatt gatgacctat tctatttgtc tataatgatc	2340
atatattacc tttgtaataa aacattataa tc	2372

<210> 31

<211> 2009

<212> DNA

<213> homo sapiens

<220>

<223> Human IgG2

<400> 31

agctttcttg ggcgagccgg gcctgacttt ggctttgggg cagggagtgg gctaagggtga	60
ggcaggtggc gccagccagg tgcacacca atgcccgta gccagacac tggaccctgc	120
ctggaccctc gtggatagac aagaaccgag gggcctctgc gcctgggccc agctctgtcc	180
cacaccgagg tcacatggca ccacctctct tgcagcctcc accaagggcc catcggtctt	240
ccccctggcg cctgctcca ggagcacctc cgagagcaca gccgccctgg gctgcctggg	300
caaggactac ttccccgaac cggtgacggg gtcgtggaac tcaggcgctc tgaccagcgg	360
cgtgcacacc ttcccagctg tcctacagtc ctcaggactc tactccctca gcagcgtggg	420
gaccgtgccc tccagcaact tcggcaccca gacctacacc tgcaacgtag atcacaagcc	480
cagcaacacc aagggtggaca agacagttgg tgagaggcca gctcagggag ggaggggtgc	540
tgctggaagc caggctcagc cctcctgcct ggacgcaccc cggctgtgca gccccagccc	600

agggcagcaa ggcaggcccc atctgtctcc tcaccggag gcctctgccc gcccactca	660
tgctcagga gaggtcttc tggcttttc caccaggctc caggcaggca caggctgggt	720
gcccctaccc caggcccttc acacacaggg gcagggtgctt ggctcagacc tgccaaaagc	780
catatccggg aggaccctgc ccctgaccta agccgacccc aaaggccaaa ctgtccactc	840
cctcagctcg gacaccttct ctctccag atccgagtaa ctcccaatct tctctctgca	900
gagcgcaaat gttgtgtcga gtgcccaccg tgcccaggta agccagccca ggctctgccc	960
tccagctcaa ggcgggacag gtgccctaga gtagcctgca tccagggaca ggccccagct	1020
gggtgctgac acgtccacct ccatctcttc ctccagacca cctgtggcag gaccgtcagt	1080
cttctcttc ccccaaaac ccaaggacac cctcatgatc tcccggaccc ctgaggtcac	1140
gtgctggtg gtggacgtga gccacgaaga ccccgaggtc cagttcaact ggtacgtgga	1200
cggcgtggag gtgcataatg ccaagacaaa gccacgggag gagcagttca acagcacgtt	1260
ccgtgtggtc agcgtcctca ccgttgtgca ccaggactgg ctgaacggca aggagtacaa	1320
gtgcaaggtc tccaacaaag gcctcccagc ccccatcgag aaaaccatct ccaaaaccaa	1380
aggtgggacc cgcgggggtat gagggccaca tggacagagg ccggctcggc ccaccctctg	1440
ccctgggagt gaccgtctgt ccaacctctg tccctacagg gcagccccga gaaccacagg	1500
tgtacaccct gccccatcc cgggaggaga tgaccaagaa ccaggtcagc ctgacctgcc	1560
tggtcaaagg cttctacccc agcgacatcg ccgtggagtg ggagagcaat gggcagccgg	1620
agaacaacta caagaccaca cctcccatgc tggactccga cggctccttc ttcctctaca	1680
gcaagctcac cgtggacaag agcagggtggc agcaggggaa cgtcttctca tgcctccgtga	1740
tgcctgaggg tctgcacaac cactacacgc agaagagcct ctccctgtct ccgggtaaat	1800
gagtgccacg gccggcaagc ccccgctccc caggctctcg gggctcgcgtg aggatgcttg	1860
gcacgtaccc cgtgtacata cttcccaggc acccagcatg gaaataaagc acccagcgct	1920
gccctgggccc cctgcgagac tgtgatggtt cttccgtgg gtcaggccga gtctgaggcc	1980
tgagtggcat gagggaggca gagtgggtc	2009

<210> 32

<211> 326

<212> PRT

<213> homo sapiens

<220>

<223> Human IgG2

<400> 32

Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Cys	Ser	Arg		
1				5					10					15			
Ser	Thr	Ser	Glu	Ser	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr		
			20					25					30				
Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser		
		35					40					45					
Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser		
	50					55					60						
Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Asn	Phe	Gly	Thr	Gln	Thr		
65					70					75					80		
Tyr	Thr	Cys	Asn	Val	Asp	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys		
				85					90					95			
Thr	Val	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	Pro	Ala	Pro		
			100					105						110			
Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp		
		115					120					125					
Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp		
	130					135					140						
Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val	Asp	Gly		
145					150					155					160		
Val	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Phe	Asn		
				165					170					175			
Ser	Thr	Phe	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Val	His	Gln	Asp	Trp		
			180					185					190				
Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Gly	Leu	Pro		
		195					200					205					
Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln	Pro	Arg	Glu		
	210					215					220						
Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn		
225					230					235					240		
Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile		
				245					250					255			
Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr		
			260					265					270				
Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys		
		275					280					285					
Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys		
	290					295					300						

Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu
 305 310 315 320

Ser Leu Ser Pro Gly Lys
 325

<210> 33

<211> 1224

<212> DNA

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V1

<400> 33

atgCGgactg aagatctccc caaggctgtg gtgttcctgg agcctcaatg gtacaggggtg 60
 ctcgagaagg acagtgtgac tctgaagtgc caggggagcct actcccctga ggacaattcc 120
 acacagtggg ttcacaatga gagcctcatc tcaagccagg cctcgagcta cttcattgac 180
 gctgccacag tcgacgacag tggagagtac aggtgccaga caaacctctc caccctcagt 240
 gacccgggtg agctagaagt ccatatcggc tggctgttgc tccaggcccc tcggtgggtg 300
 ttcaaggagg aagaccctat tcacctgagg tgtcacagct ggaagaacac tgctctgcat 360
 aaggtcacat atttacagaa tggcaaaggc aggaagtatt ttcatacataa ttctgacttc 420
 tacattccaa aagccacact caaagacagc ggctcctact tctgcagggg gcttgttggg 480
 agtaaaaatg tgtcttcaga gactgtgaac atcaccatca ctcaagggtg cgaggagatca 540
 gagcgcaa atgtgtgtcga gtgcccaccg tgcccagcac cacctgtggc aggaccgtca 600
 gtcttctct tccccccaaa acccaaggac accctcatga tctcccggac ccctgaggtc 660
 acgtgctgtg tgggtggacgt gagccacgaa gaccccgagg tccagttcaa ctggtacgtg 720
 gacggcatgg aggtgcataa tgccaagaca aagccacggg aggagcagtt caacagcacg 780
 ttccgtgtgg tcagcgtcct caccgtcgtg caccaggact ggctgaacgg caaggagtac 840
 aagtgaagg tctccaacaa aggcctccca gccccatcg agaaaaccat ctccaaaacc 900
 aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga ggagatgacc 960
 aagaaccagg tcagcctgac ctgcctggtc aaaggcttct accccagcga catcgccgtg 1020
 gagtgggaga gcaatgggca gccggagaac aactacaaga ccacacctcc catgctggac 1080
 tccgacggct ccttcttctc ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 1140
 gggaacgtct tctcatgctc cgtgatgcat gaggtctctg acaaccacta cacacagaag 1200

agcctctccc tgtctccggg taaa

1224

<210> 34

<211> 408

<212> PRT

<213> Homo sapiens

<220>

<223> sFCRIIIAG2-V1

<400> 34

Met	Arg	Thr	Glu	Asp	Leu	Pro	Lys	Ala	Val	Val	Phe	Leu	Glu	Pro	Gln	
1				5					10					15		
Trp	Tyr	Arg	Val	Leu	Glu	Lys	Asp	Ser	Val	Thr	Leu	Lys	Cys	Gln	Gly	
			20					25					30			
Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn	Glu	Ser	
		35					40					45				
Leu	Ile	Ser	Ser	Gln	Ala	Ser	Ser	Tyr	Phe	Ile	Asp	Ala	Ala	Thr	Val	
	50					55					60					
Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr	Leu	Ser	
65					70					75					80	
Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu	Gln	Ala	
			85						90					95		
Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg	Cys	His	
			100					105					110			
Ser	Trp	Lys	Asn	Thr	Ala	Leu	His	Lys	Val	Thr	Tyr	Leu	Gln	Asn	Gly	
		115					120						125			
Lys	Gly	Arg	Lys	Tyr	Phe	His	His	Asn	Ser	Asp	Phe	Tyr	Ile	Pro	Lys	
	130					135					140					
Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu	Val	Gly	
145					150					155					160	
Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Asn	Ile	Thr	Ile	Thr	Gln	Gly	
			165						170					175		
Gly	Gly	Gly	Ser	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	Pro	
			180				185						190			
Ala	Pro	Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	
		195					200					205				
Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	
	210					215					220					

Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val
225					230					235					240
Asp	Gly	Met	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln
				245					250					255	
Phe	Asn	Ser	Thr	Phe	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Val	His	Gln
			260					265					270		
Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Gly
		275					280					285			
Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln	Pro
	290					295					300				
Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr
305					310					315					320
Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser
				325					330					335	
Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr
			340					345					350		
Lys	Thr	Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr
		355					360					365			
Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe
	370					375					380				
Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys
385					390					395					400
Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys								
				405											

<210> 35

<211> 1224

<212> DNA

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V2

<400> 35

```

atgcggactg aagatctccc caaggctgtg gtgttctctg agcctcaatg gtacagggtg 60
ctcgagaagg acagtgtgac tctgaagtgc cagggagcct actcccctga ggacaattcc 120
acacagtggg ttcacaatga gagcctcatc tcaagccagg cctcgagcta cttcattgac 180
gctgccacag tcgacgacag tggagagtac aggtgccaga caaacctctc caccctcagt 240
gacccggtgc agctagaagt ccatatcggc tggctgttgc tccaggcccc tcggtgggtg 300

```

```

ttcaaggagg aagaccctat tcacctgagg tgtcacagct ggaagaacac tgctctgcat 360
aaggtcacat atttacagaa tggcaaaggc aggaagtatt ttcatacataa ttctgacttc 420
tacattccaa aagccacact caaagacagc ggctcctact tctgcagggg gcttggttggg 480
agtaaaaatg tgtcttcaga gactgtgacc atcaccatca ctcaaggtgg cggaggatca 540
gagcgcaa at gttgtgtcga gtgcccaccg tgcccagcac cacctgtggc aggaccgtca 600
gtcttctct tccccccaaa acccaaggac accctcatga tctcccggac ccctgaggtc 660
acgtgcgtgg tgggtggacgt gagccacgaa gaccccgagg tccagttcaa ctggtacgtg 720
gacggcatgg aggtgcataa tgccaagaca aagccacggg aggagcagtt caacagcacg 780
ttccgtgtgg tcagcgtcct caccgtcgtg caccaggact ggctgaacgg caaggagtac 840
aagtgcaagg tctccaacaa aggcctccca gccccatcg agaaaaccat ctccaaaacc 900
aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga ggagatgacc 960
aagaaccagg tcagcctgac ctgcctggtc aaaggcttct accccagcga catcgccgtg 1020
gagtgggaga gcaatgggca gccggagaac aactacaaga ccacacctcc catgctggac 1080
tccgacggct ccttcttct ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 1140
gggaacgtct tctcatgctc cgtgatgcat gaggctctgc acaaccacta cacacagaag 1200
agcctctccc tgtctccggg taaa 1224

```

<210> 36

<211> 408

<212> PRT

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V2

<400> 36

```

Met Arg Thr Glu Asp Leu Pro Lys Ala Val Val Phe Leu Glu Pro Gln
 1           5           10          15

Trp Tyr Arg Val Leu Glu Lys Asp Ser Val Thr Leu Lys Cys Gln Gly
 20          25          30

Ala Tyr Ser Pro Glu Asp Asn Ser Thr Gln Trp Phe His Asn Glu Ser
 35          40          45

Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile Asp Ala Ala Thr Val
 50          55          60

```

Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr	Leu	Ser	
65					70					75					80	
Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu	Gln	Ala	
			85						90					95		
Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg	Cys	His	
			100					105					110			
Ser	Trp	Lys	Asn	Thr	Ala	Leu	His	Lys	Val	Thr	Tyr	Leu	Gln	Asn	Gly	
		115					120					125				
Lys	Gly	Arg	Lys	Tyr	Phe	His	His	Asn	Ser	Asp	Phe	Tyr	Ile	Pro	Lys	
	130					135					140					
Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu	Val	Gly	
145					150					155					160	
Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Thr	Ile	Thr	Ile	Thr	Gln	Gly	
			165					170						175		
Gly	Gly	Gly	Ser	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	Pro	
			180				185						190			
Ala	Pro	Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	
		195					200					205				
Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	
	210					215					220					
Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val	
225					230					235					240	
Asp	Gly	Met	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	
			245					250						255		
Phe	Asn	Ser	Thr	Phe	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Val	His	Gln	
			260					265					270			
Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Gly	
		275					280					285				
Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln	Pro	
	290					295					300					
Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	
305					310					315					320	
Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	
			325						330					335		
Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	
		340						345					350			
Lys	Thr	Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	
		355					360					365				
Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	
	370					375					380					
Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	

385

390

395

400

Ser Leu Ser Leu Ser Pro Gly Lys
405

<210> 37

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<223> sFCRIIIAG2-V3

<400> 37

atgCGgactg aagatctccc caaggctgtg gtgttcctgg agcctcaatg gtacaggggtg 60
ctcgagaagg acagtgtgac tctgaagtgc cagggagcct actcccttga ggacaattcc 120
acacagtggg ttcacaatga gagcctcatc tcaagccagg cctcgagcta cttcattgac 180
gctgccacag tgcacgacag tggagagtac aggtgccaga caaacctctc caccctcagt 240
gacccgggtg agctagaagt ccatatcggc tggctgttgc tccaggcccc tcggtgggtg 300
ttcaaggagg aagaccctat tcacctgagg tgtcacagct ggaagaacac tgctctgcat 360
aaggtcacat atttacagaa tggcaaaggc aggaagtatt ttcatacataa ttctgacttc 420
tacattccaa aagccacact caaagacagc ggctcctact tctgcagggg gcttgttggg 480
agtaaaaatg tgtcttcaga gactgtgaac atcactgtcc aagctcccag ctcttcaccc 540
atggaggagc gcaaatgttg tgtcgagtgc ccaccgtgcc cagcaccacc tgtggcagga 600
ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggacccct 660
gaggtcacgt gcgtgggtgg ggacgtgagc cacgaagacc ccgaggtcca gttcaactgg 720
tacgtggacg gcatggagggt gcataatgcc aagacaaagc cacgggagga gcagttcaac 780
agcacgttcc gtgtgggtcag cgtcctcacc gtcgtgcacc aggactggct gaacggcaag 840
gagtacaagt gcaagggtctc caacaaaggc ctcccagccc ccatcgagaa aaccatctcc 900
aaaaccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggaggag 960
atgaccaaga accaggtcag cctgacctgc ctgggtcaaag gcttctaccc cagcgacatc 1020
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac acctcccatg 1080
ctggactccg acggctcctt cttcctctac agcaagctca ccgtggacaa gagcaggtgg 1140
cagcagggga acgtcttctc atgtccgtg atgcatgagg ctctgcacaa ccactacaca 1200

cagaagagcc tctccctgtc tccgggtaaa

1230

<210> 38

<211> 410

<212> PRT

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V3

<400> 38

Met	Arg	Thr	Glu	Asp	Leu	Pro	Lys	Ala	Val	Val	Phe	Leu	Glu	Pro	Gln	
1				5					10					15		
Trp	Tyr	Arg	Val	Leu	Glu	Lys	Asp	Ser	Val	Thr	Leu	Lys	Cys	Gln	Gly	
			20					25					30			
Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn	Glu	Ser	
		35					40					45				
Leu	Ile	Ser	Ser	Gln	Ala	Ser	Ser	Tyr	Phe	Ile	Asp	Ala	Ala	Thr	Val	
	50					55					60					
Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr	Leu	Ser	
65					70					75					80	
Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu	Gln	Ala	
			85						90					95		
Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg	Cys	His	
			100					105					110			
Ser	Trp	Lys	Asn	Thr	Ala	Leu	His	Lys	Val	Thr	Tyr	Leu	Gln	Asn	Gly	
		115					120					125				
Lys	Gly	Arg	Lys	Tyr	Phe	His	His	Asn	Ser	Asp	Phe	Tyr	Ile	Pro	Lys	
	130					135					140					
Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu	Val	Gly	
145					150					155					160	
Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Asn	Ile	Thr	Val	Gln	Ala	Pro	
			165						170					175		
Ser	Ser	Ser	Pro	Met	Glu	Glu	Arg	Lys	Cys	Cys	Val	Glu	Cys	Pro	Pro	
			180					185					190			
Cys	Pro	Ala	Pro	Pro	Val	Ala	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	
		195					200					205				
Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	
	210					215					220					

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp
 225 230 235 240
 Tyr Val Asp Gly Met Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 245 250 255
 Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val
 260 265 270
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 275 280 285
 Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly
 290 295 300
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
 305 310 315 320
 Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 325 330 335
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 340 345 350
 Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe
 355 360 365
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 370 375 380
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 385 390 395 400
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 405 410

<210> 39

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V4

<400> 39

atgcggactg aagatctccc caaggctgtg gtgttcctgg agcctcaatg gtacaggggtg 60
 ctcgagaagg acagtgtgac tctgaagtgc cagggagcct actcccctga ggacaattcc 120
 acacagtggg ttcacaatga gagcctcatc tcaagccagg cctcgagcta cttcattgac 180
 gctgccacag tcgacgacag tggagagtac aggtgccaga caaacctctc caccctcagt 240

gacccggtgc agctagaagt ccatatcggc tggctggtgc tccaggcccc tcggtgggtg 300
ttcaaggagg aagaccctat tcacctgagg tgtcacagct ggaagaacac tgctctgcat 360
aaggtcacat atttacagaa tggcaaaggc aggaagtatt ttcatacataa ttctgacttc 420
tacattccaa aagccacact caaagacagc ggctcctact tctgcagggg gcttggtggg 480
agtaaaaatg tgtcttcaga gactgtgacc atcactgtcc aagctcccag ctcttcaccc 540
atggaggagc gcaaagtgtg tgtcgagtgc ccaccgtgcc cagcaccacc tgtggcagga 600
ccgtcagtct tcctcttccc cccaaaaccc aaggacaccc tcatgatctc ccggaccctt 660
gaggtcacgt gcgtgggtggg ggacgtgagc cacgaagacc ccgaggtcca gttcaactgg 720
tacgtggacg gcatggagggt gcataatgcc aagacaaagc cacgggagga gcagttcaac 780
agcacgttcc gtgtgggtcag cgtcctcacc gtcgtgcacc aggactggct gaacggcaag 840
gagtacaagt gcaagggtctc caacaaaggc ctcccagccc ccatcgagaa aaccatctcc 900
aaaaccaaag ggcagccccg agaaccacag gtgtacaccc tgcccccatc ccgggaggag 960
atgaccaaga accagggtcag cctgacctgc ctggtcaaag gcttctaccc cagcgacatc 1020
gccgtggagt gggagagcaa tgggcagccg gagaacaact acaagaccac acctcccatg 1080
ctggactccg acggctcctt cttcctctac agcaagctca ccgtggacaa gagcaggtgg 1140
cagcagggga acgtcttctc atgctccgtg atgcatgagg ctctgcacaa ccactacaca 1200
cagaagagcc tctccctgtc tccgggtaaa 1230

<210> 40

<211> 410

<212> PRT

<213> Homo sapiens

<220>

<223> sFcRIIIAG2-V4

<400> 40

Met	Arg	Thr	Glu	Asp	Leu	Pro	Lys	Ala	Val	Val	Phe	Leu	Glu	Pro	Gln
1				5					10					15	
Trp	Tyr	Arg	Val	Leu	Glu	Lys	Asp	Ser	Val	Thr	Leu	Lys	Cys	Gln	Gly
			20					25					30		
Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn	Glu	Ser
		35					40					45			

Leu Ile Ser Ser Gln Ala Ser Ser Tyr Phe Ile Asp Ala Ala Thr Val
 50 55 60
 Asp Asp Ser Gly Glu Tyr Arg Cys Gln Thr Asn Leu Ser Thr Leu Ser
 65 70 75 80
 Asp Pro Val Gln Leu Glu Val His Ile Gly Trp Leu Leu Leu Gln Ala
 85 90 95
 Pro Arg Trp Val Phe Lys Glu Glu Asp Pro Ile His Leu Arg Cys His
 100 105 110
 Ser Trp Lys Asn Thr Ala Leu His Lys Val Thr Tyr Leu Gln Asn Gly
 115 120 125
 Lys Gly Arg Lys Tyr Phe His His Asn Ser Asp Phe Tyr Ile Pro Lys
 130 135 140
 Ala Thr Leu Lys Asp Ser Gly Ser Tyr Phe Cys Arg Gly Leu Val Gly
 145 150 155 160
 Ser Lys Asn Val Ser Ser Glu Thr Val Thr Ile Thr Val Gln Ala Pro
 165 170 175
 Ser Ser Ser Pro Met Glu Glu Arg Lys Cys Cys Val Glu Cys Pro Pro
 180 185 190
 Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro
 195 200 205
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 210 215 220
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln Phe Asn Trp
 225 230 235 240
 Tyr Val Asp Gly Met Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 245 250 255
 Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu Thr Val Val
 260 265 270
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 275 280 285
 Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Thr Lys Gly
 290 295 300
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Glu Glu
 305 310 315 320
 Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 325 330 335
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 340 345 350
 Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly Ser Phe Phe
 355 360 365
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn

370		375		380
Val Phe Ser Cys Ser	Val Met His Glu Ala Leu	His Asn His Tyr Thr		
385	390	395	400	

Gln Lys Ser Leu Ser	Leu Ser Pro Gly Lys
405	410

<210> 41

<211> 1227

<212> DNA

<213> Homo sapiens

<220>

<223> sFcRIIBG2-N297Q

<400> 41

```

acacctgcag ctcccccaaa ggctgtgctg aaactcgagc cccagtggat caacgtgctc 60
caggaggact ctgtgactct gacatgccgg gggactcaca gccctgagag cgactccatt 120
cagtggttcc acaatgggaa tctcattccc acccacacgc agcccagcta caggttcaag 180
gccaacaaca atgacagcgg ggagtacacg tgccagactg gccagaccag cctcagcgac 240
cctgtgcata tgactgtgct ttctgagtgg ctgggtgctcc agaccctca cctggagtcc 300
caggagggag aaaccatcgt gctgaggtgc cacagctgga aggacaagcc tctgggtcaag 360
gtcacattct tccagaatgg aaaatccaag aaattttccc gttcggatcc caacttctcc 420
atccccaaag caaaccacag tcacagtggg gattaccact gcacaggaaa cataggctac 480
acgctgttct catccaagcc tgtgaccatc actgtccaag ctcccagctc ttcacccatg 540
gaggagcgca aatgttgtgt cgagtgccca ccgtgcccag caccacctgt ggaggaccg 600
tcagtcttcc tcttcccccc aaaaccaag gacacctca tgatctcccg gacctctgag 660
gtcacgtgcg tgggtggtgga cgtgagccac gaagaccccg aggtccagtt caactggtac 720
gtggacggca tggaggtgca taatgccaag acaaagccac gggaggagca gttccagagc 780
acgttccgtg tggtcagcgt cctcaccgtc gtgcaccagg actggctgaa cggcaaggag 840
tacaagtgca aggtctccaa caaaggcctc ccagccccca tcgagaaaac catctccaaa 900
accaaagggc agccccgaga accacagggtg tacaccctgc ccccatcccc ggaggagatg 960
accaagaacc aggtcagcct gacctgcctg gtcaaaggct tctaccccag cgacatcgcc 1020
gtggagtggg agagcaatgg gcagccggag aacaactaca agaccacacc tcccattgctg 1080
gactccgacg gctccttctt cctctacagc aagctcaccg tggacaagag caggtggcag 1140

```

caggggaacg tcttctcatg ctctgtgatg catgaggctc tgcacaacca ctacacacag 1200
aagagcctct ccctgtctcc gggtaaa 1227

<210> 42

<211> 409

<212> PRT

<213> Homo sapiens

<220>

<223> sFcRIIBG2-N297Q

<400> 42

Thr Pro Ala Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp
1 5 10 15

Ile Asn Val Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr
20 25 30

His Ser Pro Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu
35 40 45

Ile Pro Thr His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn
50 55 60

Asp Ser Gly Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp
65 70 75 80

Pro Val His Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro
85 90 95

His Leu Glu Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser
100 105 110

Trp Lys Asp Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys
115 120 125

Ser Lys Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala
130 135 140

Asn His Ser His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr
145 150 155 160

Thr Leu Phe Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro Ser
165 170 175

Ser Ser Pro Met Glu Glu Arg Lys Cys Cys Val Glu Cys Pro Pro Cys
180 185 190

Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu Phe Pro Pro Lys
195 200 205

Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	
210						215					220					
Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	
225					230					235					240	
Val	Asp	Gly	Met	Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	
				245					250					255		
Gln	Phe	Gln	Ser	Thr	Phe	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Val	His	
			260					265					270			
Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	
		275					280					285				
Gly	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln	
	290					295					300					
Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	
305					310					315					320	
Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	
				325					330					335		
Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	
			340					345					350			
Tyr	Lys	Thr	Thr	Pro	Pro	Met	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	
		355					360					365				
Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	
	370					375					380					
Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	
385					390					395					400	
Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys								
				405												